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PR 14-AUG-2000; 2000US-0225267.
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PR 01-DEC-2000; 2000US-0249300.
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PR 08-DEC-2000; 2000US-0251989.
PR 11-DEC-2000; 2000US-0251990.
PR 05-JAN-2001; 2001US-0254097.
PR XX
PR PA (HUMA-) HUMAN GENOME SCI INC.
PR XX
PR PI Rosen CA, Barash SC, Ruben SM;
PR XX WPI: 2001-465570/50.
PR DR Isolated nucleic acid molecule encoding a reproductive system antigen
PR PT is used in preventing, treating or ameliorating a medical condition
PR XX
PR PS Disclosure; SEQ ID NO 7364; 1297pp + Sequence Listing; English.
PR XX
PR CC The present invention provides the protein and coding sequences of a
PR CC number of human reproductive system related antigens. These can be used
PR CC in the prevention and treatment of reproductive system disorders,
PR CC including cancer. The present sequence is a genomic sequence encoding a
PR CC protein of the invention.
PR XX
PR SQ Sequence 32249 BP; 7986 A; 7715 C; 7793 G; 8755 T; 0 other;

Query Match 10.7%; Score 24; DB 22; Length 32249;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 126 caaaaacgaaacaaaaa 149
Db 26215 CAAAAACGAACAAAAA 26192

RESULT 4
AAV89253/C
ID AAV89253 standard; CDNA; 411 BP.


```

OS      Homo sapiens.
XX
XX      PN      WO200102568-A2.
XX
XX      PD      11-JAN-2001.
XX
XX      PF      30-JUN-2000; 2000MO-US18374.
XX
XX      PR      02-JUL-1999; 9905-0142310.
XX      PR      02-JUL-1999; 9905-0142311.
XX
XX      PA      (CHIR ) CHIRON CORP.
XX      PA      (HISE-) HISEQ INC.
XX
XX      PI      Williams LT, Escobedo J, Innis MA, Garcia PD, Klingler J, Kassam A;
XX      PI      Reinhard C, Randazzo F, Kennedy GC, Pot D, Lamson G, Drmanac R;
XX      PI      Ckenjakov R, Drmanac S, Dickson M, Labat J, Leschowitz D;
XX      PI      Kita D, Garcia V, Jones LM, Strache-Crain B;
XX      DR      WPI, 2001-091805/10.
XX
XX      PT      Library of polynucleotides for diagnosing a cancerous state of a
XX      PT      mammalian cell and detecting cancer, particularly of the colon or
XX      PT      prostate, comprises 3351 human polynucleotide sequences -
XX      PS      Claim 9; Page 685; 1046pp; English.
XX
XX      CC      The present sequence is one of 3351 sequences in a library of human
XX      CC      polynucleotides. The library is used to detect differentially expressed
XX      CC      genes correlated with a cancerous state of a mammalian cell and can
XX      CC      detect colon, prostate, breast and lung cancer. The library can be used
XX      CC      to produce probes for detection of mRNA and to produce additional copies
XX      CC      of the polynucleotides. The probes can be used for chromosome mapping or
XX      CC      the polynucleotide and for detection of transcription levels. Ribozymes
XX      CC      or antisense oligonucleotides can be generated. The polynucleotides and
XX      CC      their gene products are used as genetic or biochemical markers (e.g. in
XX      CC      blood or tissues) that will detect the earliest changes along the
XX      CC      carcinogenesis pathway and/or monitor the efficacy of therapies and
XX      CC      preventive interventions. The polynucleotides, polypeptides and
XX      CC      antibodies against them can be used in pharmaceutical compositions to
XX      CC      treat the cancers and proliferative disorders such as neoplasia,
XX      CC      dysplasia and hyperplasia.
XX
XX      SO      Sequence 357 BP; 87 A; 63 C; 75 G; 131 T; 1 other;

Query Match
Best Local Similarity 9.38; Score 21; DB 22; Length 357;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      127 aaaaacgaaacaaaanaa 147
      |||||||
Db      248 AAAAAMACGAAACAAACAAA 228

RESULT 20
AAT69543
ID      AAT69543 standard; cDNA; 377 BP.
AC
AC      AAT69543;
XX
XX      26-FEB-1998 (first entry)
XX
XX      Murine metastatic nucleic acid sequence.
XX
XX      Mouse; murine; tumour; cancer; metastatic sequence; detection;
XX      diagnosis; treatment; metastasis; hyperplasia; dysplasia;
XX      hypertrophy; screening; ss.
XX
XX      Mus musculus.
XX

```

PD 22-MAY-1997.
 XX
 PF 15-NOV-1996; 96WO-US18567.
 XX
 PR 30-JAN-1996; 96US-0594031.
 PR 16-NOV-1995; 95US-0006838.
 XX
 PA (THOM/) THOMPSON T.
 XX
 PI Thompson T;
 XX
 DR WPI: 1997-289397/26.
 XX
 PF Identifying tumour metastatic sequences - by introducing transfected
 PT cells into host mammal and analysing primary and metastatic
 PS sequences by differential display PCR
 XX
 PS Disclosure; Fig 12FL; 102pp; English.
 XX
 CC Mouse Urogenital Sinus (UGS) tissue was isolated from 17 day old
 CC mouse embryos. The UGS cells were infected with retroviruses,
 CC cultured and implanted under the renal capsule of mice.
 CC Reconstructions were harvested 5 weeks later, when they showed
 CC signs of distress from the tumour burden. Metastasised tumours were
 CC isolated from a site outside the renal capsule. RNA was isolated
 CC from primary tumours and metastases, reverse transcribed and
 CC subjected to differential display PCR. The sequences were analysed
 CC to obtain metastatic sequences, e.g. the present sequence. The
 CC method can be used to detect, diagnose and treat disorders related
 CC to metastasis, or treat malignant or non-malignant disorders, e.g.
 CC hyperplasia, dysplasia and hypertrophy. The metastatic sequence can
 CC be used to screen a biological sample for metastasis, and it or its
 CC expression product may also be used to treat a metastatic disorder.
 SQ
 Sequence 377 BP; 110 A; 66 C; 107 G; 94 T; 0 other;

Query Match
 Best Local Similarity 9.3%; Score 21; DB 18; Length 377;
 Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 128 aaaaacgaacaaacaaacaa 148
 DB 18 aaaaacgaacaaacaaacaa 38

RESULT 21
 ID ABA62564/C
 XX ABA62564 standard; DNA; 597 BP.
 AC ABA62564;
 XX
 DT 01-FEB-2002 (first entry)
 DE Human foetal liver single exon nucleic acid probe #10869.
 XX
 KM Human; foetal liver; gene expression; single exon nucleic acid probe; ss.
 OS Homo sapiens.
 XX
 PN WO200157277-A2.
 PD
 XX
 PF 09-AUG-2001.
 XX
 PF 30-JAN-2001; 2001WO-US00669.
 XX
 PR 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 04-OCT-2000; 2000US-0236359.
 PR 2000US-0024263.

XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 PI Penn SG, Hanzel DK, Chen W, Rank DR;
 XX
 DR WPI: 2001-483447/52.
 XX
 PT Human genome-derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human fetal liver.
 XX
 PS Claim 1: SEQ ID NO 10869; 639pp + sequence listing; English.
 XX
 CC The invention relates to a single exon nucleic acid probe for
 CC measuring human gene expression in a sample derived from human foetal
 CC liver. The single exon nucleic acid probes may be used for predicting,
 CC measuring and displaying gene expression in samples derived from human
 CC fetal liver. The present sequence is a single exon nucleic acid
 CC probe of the invention.
 CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp.wipo.int/pub/published_pcr_sequences.
 SQ
 Sequence 597 BP; 228 A; 67 C; 170 G; 132 T; 0 other;

Query Match
 Best Local Similarity 9.3%; Score 21; DB 22; Length 597;
 Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 127 aaaaacgaacaaacaaacaa 147
 DB 252 AAAAAAGAAACAAACAAAA 232

RESULT 22
 ID ABA29892/C
 XX ABA29892 standard; DNA; 597 BP.
 AC ABA29892;
 XX
 DT 23-JAN-2002 (first entry)
 DE Probe #8356 for gene expression analysis in human heart cell sample.
 XX
 KM Human; gene expression; heart; microarray; vascular system; probe;
 KM cardiovascular disease; hypertension; cardiac arrhythmia;
 XX congenital heart disease; ss.
 OS Homo sapiens.
 XX
 PN WO200157274-A2;
 PD
 XX
 PF 09-AUG-2001.
 XX
 PF 30-JAN-2001; 2001WO-US00666.
 XX
 PR 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0236359.
 PR 04-OCT-2000; 2000US-0024263.
 XX
 PA (MOLE-) MOLECULAR DYNAMICS INC.
 XX
 PI Penn SG, Hanzel DK, Chen W, Rank DR;
 XX
 DR WPI: 2001-488899/53.
 XX
 PT Single exon nucleic acid probes for analyzing gene expression in human
 PT hearts -
 XX

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OM nucleic - nucleic search, using sw model

Run on: September 21, 2002, 19:50:25 ; Search time 46.51 Seconds
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1188.294 Million cell updates/sec

Title: US-09-765-231a-58

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IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
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and is derived by analysis of the total score distribution.

SUMMARIES

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2	37.4	16.6	2268	2	US-08-873-093-2
3	33	14.7	2107	4	US-09-180-852-1
4	33	14.7	7210	2	US-08-257-963B-10
5	33	14.7	7210	4	US-08-367-841A-10
6	33	14.7	7210	5	PCT-US95-07201-10
7	33	14.7	22481	4	US-08-367-841A-43
8	33	14.7	22481	5	PCT-US95-07201-43
9	32.6	14.5	334	2	US-09-032-684-8
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15	32.6	14.5	51259	3	US-08-781-891-209
16	32.2	14.3	2502	3	US-09-234-333-1
17	32	14.2	6769	1	US-08-480-784-20
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26	31.8	14.1	15331	3	US-09-128-155-16
27	31.8	14.1	176373	3	US-09-128-155-17

ALIGNMENTS

28	31.6	14.0	4673	1	US-07-638-431-1	Sequence 1, Appl
29	31.6	14.0	4673	5	PCT-US92-00018-1	Sequence 1, Appl
30	31.2	13.9	1330	4	US-09-118-442-29	Sequence 29, Appl
31	31.2	13.9	1330	4	US-09-677-064-29	Sequence 29, Appl
32	31.2	13.9	3095	6	5231168-1	Patent No. 5231168
33	31	13.8	624	4	US-09-397-992A-3	Sequence 14, Appl
34	31	13.8	624	4	US-09-397-992A-6	Sequence 6, Appl
35	31	13.8	4106	2	US-08-702-572-14	Sequence 14, Appl
36	31	13.8	4732	6	5521093-4	Patent No. 5521093
37	30.8	13.7	4411529	4	US-09-103-840A-1	Sequence 1, Appl
38	30.6	13.6	90050	4	US-09-245-041-5	Sequence 5, Appl
39	30.4	13.5	260	4	US-08-134-198E-11	Sequence 11, Appl
40	30.4	13.5	7208	3	US-09-166-186-107	Sequence 107, App
41	30.4	13.5	7208	4	US-09-313-932-107	Sequence 107, App
42	30.4	13.5	37950	4	US-09-338-907-183	Sequence 183, App
43	30.4	13.5	37950	4	US-09-218-207-183	Sequence 183, App
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45	30.2	13.4	838	3	US-09-054-274-9	Sequence 9, Appl

RESULT 1
US-07-867-106-2
Sequence 2, Application US/07867106
Patent No. 5389526
GENERAL INFORMATION:
APPLICANT: Slade, Martin B
APPLICANT: Chang, Andy C M
APPLICANT: Williams, Keith L
TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
NUMBER OF INVENTION: Slime Moulds of the Genus Dictyostelium
CORRESPONDENCE ADDRESS:
ADDRESS: Woodcock Washburn Kuritz Mackiewicz & No. 5389526
STREET: One Liberty Place 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07867,106
FILING DATE: 19920625
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PJ 7187
APPLICATION NUMBER: PCT/AU90/00530
FILING DATE: 02-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Feeney, Joanne Longo
REGISTRATION NUMBER: 35,134
REFERENCE/DOCKET NUMBER: RICE-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3852 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
FEATURE:
NAME/KEY: CDS

1

FILE OF INVENTION: AND EXPRESSING THE PROTEIN

FILE OF INVENTION: AND EXPRESSING THE PROTEIN